Amendments to the Claims

1. (CURRENTLY AMENDED) An active matrix display device comprising an array ~~(45)~~ of pixels ~~(25)~~ for producing a display output in response to drive voltages applied by drive circuit means ~~(50, 15, 16)~~, each pixel having a display element ~~(18)~~ comprising electro-optical material ~~(2)~~ between two electrodes ~~(6, 5)~~ and an associated switching device ~~(19)~~ via which a drive voltage is applied to one electrode ~~(6)~~, the polarity of the voltage applied across the electrodes of each cell being periodically inverted, and correction means ~~(40, 55)~~ for providing a measurement indicative of a DC voltage level at the pixels ~~(25)~~ and modifying voltages applied by the drive circuit means ~~(50, 15, 16)~~ in accordance therewith so as to compensate for display artefacts caused by the DC voltage level, the correction means comprising a plurality of measurement pixels ~~(40)~~ located outside the area of the array ~~(45)~~ of pixels ~~(25)~~ producing the display output, the plurality of measurement pixels being arranged separate from one to another at spaced locations along at least one side ~~(46, 47)~~ of the array and the correction means being arranged to provide a measurement ~~(55)~~ from each of the measurement pixels.

2. (CURRENTLY AMENDED) A device according to Claim 1, wherein the display pixels ~~(25)~~ are arranged in a row and column array ~~(45)~~ and wherein a measurement pixel ~~(40)~~ is arranged at each end of one side ~~(46, 47)~~ of the display pixel array which side extends parallel to the rows of display pixels.

3. (ORIGINAL) A device according to Claim 2, wherein a measurement pixel is arranged also at each end of the side of the pixel array opposing the one side.

4. (CURRENTLY AMENDED) A device according to Claim 2 ~~or Claim 3~~, wherein at least one further measurement pixel ~~(40)~~ is arranged spaced between the measurement pixels at the ends of the, or each, side of the array.

5. (CURRENTLY AMENDED) A device according to ~~anyone of the preceding claims~~claim 1, wherein the correction means ~~(40, 55)~~ is operable to vary the modification to the drive voltages for the display pixels in the direction of the one

side according to a variation in the respective measurements from each of the measurement pixels along the one side.

6. (CURRENTLY AMENDED) A device according to ~~anyone of the preceding claims~~claim 1, wherein each measurement pixel comprises a plurality of interconnected dummy pixels.

7. (CURRENTLY AMENDED) A device according to ~~anyone of the preceding claims~~claim 1, wherein the display elements comprise liquid crystal display elements.